JOURNAL OF TOXICOLOGY AND ENVIRONMENTAL HEALTH
PART A: CURRENT ISSUES
Volume 62 Tables of Contents

Volume 62, Issue 1

Rapid Communication: Bioaccumulation of Polychlorinated Biphenyls (PCBs) and Dichlorodiphenylethane (DDE) Methyl Sulfones in Tissues of Seal and Dolphin Morbillivirus Epizootic Victims 1
G. M. Troisi, K. Haraguchi, D. S. Kaydoo, M. Nyman, A. Aguilar, A. Borrell, U. Siebert, and C. F. Mason

Pulmonary Responses to Single Versus Multiple Intratracheal Instillations of Silica in Rats 9
Mark J. Reasor and James M. Antonini

Chrysotile Asbestos Fibers Detected in the Newborn Pups Following Gavage Feeding of Pregnant Mice 23
Abida K. Haque, Imrana Ali, Danet M. Vrazel, and Tatsuo Uchida

Effects of Diquat, an Aquatic Herbicide, on the Development of Mallard Embryos 33
Chester J. Sewalk, Gwenda L. Brewer, and David J. Hoffman

Lipid Peroxidation in Rat Adrenal Glands After Administration Cadmium and Role of Essential Metals 47
Shuenn-Jiun Yiin, Jenn-Yuan Sheu, and Te-Hsien Lin

Bioindication of Heavy Metals with Aquatic Macrophytes: The Case of a Stream Polluted with Power Plant Sewages in Poland 57
Aleksandra Samecka-Cymerman and Alexander J. Kempers

Volume 62, Issue 2

Exposure of Inuit in Greenland to Organochlorines Through the Marine Diet 69
Peter Bjerregaard, Eric Dewailly, Pierre Ayotte, Tine Pars, Liliane Ferron, and Gert Mulvad

Evaluation of Myelotoxicity in Cotton Rats (*Sigmodon hispidus*) Exposed to Environmental Contaminants. I. In Vitro Bone-Marrow Progenitor Culture 83
Soochong Kim, Eric L. Stair, Robert L. Lochmiller, James W. Lish, and Charles W. Qualls, Jr.

Evaluation of Myelotoxicity in Cotton Rats (*Sigmodon hispidus*) Exposed to Environmental Contaminants. II. Myelotoxicity Associated with Petroleum Industrial Wastes 97
Soochong Kim, Eric L. Stair, James W. Lish, Robert L. Lochmiller, Daniel P. Rafferty, and Charles W. Qualls, Jr.

Widespread Risks of Dental Fluorosis in Cotton Rats (*Sigmodon hispidus*) Residing on Petrochemical Waste Sites 107
Soochong Kim, Eric L. Stair, Robert L. Lochmiller, Daniel P. Rafferty, Jackie L. Schroder, Nicholas T. Basta, James W. Lish, and Charles W. Qualls, Jr.

Comparative Effects of Dieldrin on Hepatic Ploidy, Cell Proliferation and Apoptosis in Rodent Liver 127
Lisa M. Kamendulis, Kyle L. Kolaja, Donald E. Stevenson, Earl F. Walborg, Jr., and James E. Klaunig

Volume 62, Issue 3

Molecular Structure-Based Prediction of Human Abdominal Skin Permeability Coefficients for Several Organic Compounds 143
Patrick Poulin and Kannan Krishnan

Correlation of Blood Cholinesterase Levels with Toxicity of Sarin in Rats 161
John F. Young, Bobby J. Gough, Robert L. Suber, and David W. Gaylor

Quantitative Modeling of Suppression of IgG1, IgG2a, IL-2, and IL-4 Responses to Antigen in Mice Treated with Exogenous Corticosterone or Restraint Stress 175
Stephen B. Pruett and Ruping Fan

Effects of PCB 126 on Thymocyte Surface Marker Expression and Immune Organ Development in Chicken Embryos 191
Keith A. Grasman and Lori L. Whitacre

Effects of Sodium Diethyldithiocarbamate on Type II Pulmonary Epithelial Cells In Vitro 207
Erzsébet Tátrai, Zuzana Kováciková, Géza Karácsony, Aranka Hudák, Zoltán Adamis, and György Ungváry

Volume 62, Issue 4

Antibody-Mediated Immunotoxicity in American Kestrels (*Falco sparverius*) Exposed to Polychlorinated Biphenyls 217
Judit E. G. Smits and Gary R. Bortolotti

Relationships Between Plasma Levels of Organochlorines, Retinol and Thyroid Hormones from Polar Bears (*Ursus maritimus*) at Svalbard 227
Janneche Utne Skaare, Aksel Bernhoft, Øystein Wiig, Kaare R. Norum, Egil Haug, Dag Marcus Eide, and Andrew E. Derocher

Investigation of Organophilic Montmorillonite Clay Inclusion in Zearalenone-Contaminated Diets Using the Mouse Uterine Weight Bioassay 243
Shawna L. Lemke, Kittane Mayura, William R. Reeves, Naisyin Wang, Christie Fickey, and Timothy D. Phillips

In Vitro Effects of Metal Ions (Fe^{2+}, Mn^{2+}, Pb^{2+}) on Sperm Motility and Lipid Peroxidation in Human Semen 259
Yeou-Lih Huang, Wei-Chang Tseng, and Te-Hsien Lin

Cadmium Absorption in Mice: Effects of Broiling on Bioavailability of Cadmium in Foods of Animal Origin 269
Ylva Lind, Joakim Engman, Lars Jorhem, and Anders Wicklund Glynn

Uracil Moiety Is Required for Toxicity of the Cyanobacterial Hepatotoxin Cylindrospermopsin 281
R. Banker, S. Carmeli, M. Werman, B. Teltsch, R. Porat, and A. Sukenik

Effects of Subchronic Parathion Exposure on Cyclosporine Pharmacokinetics in Rats 289
Ayse Gelal, Mukaddes Gumustekin, Sule Kalkan, Hulya Guven, and Ozlem Eminoglu

Volume 62, Issue 5

Introduction to the Special Issue 295
György Ungváry and Aranka Hudák

Polycyclic Aromatic Hydrocarbon Exposure and Burden of Outdoor Workers in Budapest 297
Judit Szaniszló and György Ungváry

Follow-Up Genotoxicological Monitoring of Nurses Handling Antineoplastic Drugs 307
Mátyás G. Jakab, Jenö Major, and Anna Tompa

Working Condition-Related Improvement in Genotoxicological Parameters of Hungarian Road Pavers 319
Jenö Major, Mátyás G. Jakab, and Anna Tompa

Alterations of K-ras and p53 Mutations in Colorectal Cancer Patients in Central Europe 333
Edwin A. König, István Köves, Angela Rąşinariu, Anghel R. Popp, Wolfgang C. Kusser, Ken Soyonki, Ágota Kovács, Barry W. Glickman, András Jeney, and Zoltán L. Marcsek

Specific Amino Acids Moderate the Effects of Ni^{2+} on the Testosterone Production of Mouse Leydig Cells In Vitro 349
Zsolt Forgács, Zsolt Némethy, Csaba Révész, and Péter Lázár

Lead Accumulation in Human Ovarian Follicular Fluid, and In Vitro Effect of Lead on Progesterone Production by Cultured Human Ovarian Granulosa Cells 359
Katalin Paksy, István Gáti, Miklós Náray, and Klára Rajczy

Effects of Cobalt Sulfate on Prenatal Development of Mice, Rats, and Rabbits, and on Early Postnatal Development of Rats 367
Éva Szakmáry, György Ungváry, Aranka Hudák, Erzsébet Tátrai, Miklós Náray, and Veronika Morvai

The Effect of Prenatal Indium Chloride Exposure on Chondrogenic Ossification 387
György Ungváry, Erzsébet Tátrai, Éva Szakmáry, and Miklós Náray

Hemodynamic Effect of Indium Chloride in Pregnant Rats 397
Veronika Morvai, György Ungváry, and Éva Szakmáry

Study of Inflammatory Responses to Crocidolite and Basalt Wool in the Rat Lung 409
Zoltán Adamis, Tibor Kerényi, Koichi Honma, Márta Jäckel, Erzsébet Tátrai, and György Ungváry

Volume 62, Issue 6

Lead Exposure in Children Living in a Smelter Community in Region Lagunera, Mexico 417
G. G. García Vargas, M. Rubio Andrade, L. M. Del Razo, V. Borja Aburto, E. Vera Aguilar, and M. E. Cebrián

Effects of Nickel Chloride on Human Platelets: Enhancement of Lipid Peroxidation, Inhibition of Aggregation and Interaction with Ascorbic Acid 431
Chang-Yu Chen and Te-Hsien Lin

Physiologically Based Pharmacokinetic Modeling of Benzene Metabolism in Mice Through Extrapolation from In Vitro to In Vivo 439
Cammey E. Cole, Hien T. Tran, and Paul M. Schlosser

Evaluation of the Gender Differences in 4,4'-Methylenedianiline Toxicity, Distribution, and Effects on Biliary Parameters 467
Tammy R. Dugas, Vicente Santa Cruz, Hanlin Liu, and Mary F. Kanz

Suppression of Pulmonary Antibacterial Defenses Mechanisms and Lung Damage in Mice Exposed to Fluoride Aerosol 485
Shoji Yamamoto, Kazuko Katagiri, Mitsuru Ando, and Xue-Qing Chen

Volume 62, Issue 7

Influence of Propylthiouracil Treatment on Oxidative Stress and Nitric Oxide in Basedow Disease Patients 495
R. Seven, R. Gelişgen, A. Seven, Y. Erbil, A. Bozbora, and G. Burçak

Antiestrogenicity of Clarified Slurry Oil and Two Crude Oils in a Human Breast-Cancer Cell Assay 505
Kathleen F. Arcaro, John F. Gierthy, and Carl R. Mackerer

Effects of Daily Dermal Application of DEET and Permethrin, Alone and in Combination, on Sensorimotor Performance, Blood–Brain Barrier, and Blood–Testis Barrier in Rats 523
M. B. Abou-Donia, L. B. Goldstein, A. Dechovskaia, S. Bullman, K. H. Jones, E. A. Herrick, A. A. Abdel-Rahman, and W. A. Khan

Antagonistic Interactions Among Nephrotoxic Polycyclic Aromatic Hydrocarbons 543
M. H. Falahatpisheh, K. C. Donnelly, and K. S. Ramos

Effects of Indole-3-Carbinol on Immune Responses, Aberrant Crypt Foci, and Colonic Crypt Cell Proliferation in Rats 561
J. H. Exon, E. H. South, B. A. Magnuson, and K. Hendrix

Volume 62, Issue 8

Human Visual Function in the North Carolina Clinical Study on Possible Estuary-Associated Syndrome 575
H. Kenneth Hudnell, Dennis House, Judy Schmid, Deborah Koltai, Woodhall Stopford, Jean Wilkins, David A. Savitz, Marian Swinker, and Stanley Music

An Event-by-Event Probabilistic Methodology for Assessing the Health Risks of Persistent Chemicals in Fish: A Case Study at the Palos Verdes Shelf 595
Natalie D. Wilson, Paul S. Price, and Dennis J. Paustenbach

Vasorelaxation Induced by L-Glutamate in Porcine Coronary Arteries 643
H. Nguyen-Duong

Acknowledgment 655